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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/622,299	09/11/2000	Nissim Garti	HES 2 0001	9706

7590

08/13/2003

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EXAMINER

LOVERING, RICHARD D

ART UNIT

PAPER NUMBER

1712

DATE MAILED: 08/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/622,299

Applicant(s)

GARTI ET AL.

Examiner

LOVERING

Group Art Unit

1712

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on MAY 27, 2003
- ☒ This action is FINAL.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 13-27, 29 AND 30 is/are pending in the application.
- ☐ Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 13-27, 29 AND 30 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☐ Interview Summary, PTO-413
- ☐ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other _____

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1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 13-26, 29 and 30 are rejected under 35 U.S.C. § 112, first paragraph, because the specification, while being enabling for transition metals, alloys, metal oxides and ceramics as to the "nanomaterial" (specification page 1, first paragraph), does not reasonably provide enablement for surfactants. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the invention commensurate in scope with these claims. The chemistry of surfactants is substantially different from that of transition metals, alloys, metal oxides and ceramics, and the disclosure of this application provides no enablement as to the preparing of nanoparticles of surfactants, for example copolymers of ethylene oxide and propylene oxide such as Pluronic[®] some of which are liquid. It would involve more than routine experimentation on the part of one having ordinary skill in the art to produce nanoparticles of surfactants.

3. Claims 23 and 27 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as the invention.

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a) Claim 23 is indefinite in lacking antecedent basis in claim 13 for "the hydrocarbons". (Claim 23 should be rendered dependent upon claim 22.); and

b) claim 27 is indefinite in lacking antecedent basis in claim 13 for "metal oxides and metal precursors."

4. In claim 13, line 4, "form" should be changed to --from--.

5. Applicants' arguments filed May 27, 2003 have been fully considered but they are not deemed to be persuasive. The mere naming of a small number of surfactants doesn't constitute enablement of a process for producing nanoparticles of said surfactants. While surfactants were used in applicants' three examples, no nanoparticles of said surfactants were obtained. Apparently, applicants use surfactants as auxiliaries in their so-called "organized solutions (complex liquids)". See paragraph bridging pages 3 and 4 of the specification.

6. Claims 13-27, 29 and 30 would be allowable if rewritten or amended to overcome the rejection under 35 U.S.C. § 112.

7. See paragraph 8 (page 4 of the last Office action) as to reasons for the indication of allowable subject matter.

8. In a telephone interview with Mr. Joe Waters on Monday, August 4, 2003, the Examiner suggested that applicants submit a further amendment incorporating the following changes to place the case in condition for allowance (but as of August 7, he had

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not yet heard from his foreign clients): In claim 13, line 2 after "of", insert --metal, alloy, metal oxide or ceramic--; in claim 13, line 4, change "form" to --from--; in claim 23, line 1, change "13" to --22--; and in claim 27, line 2, change "oxides" to --oxide--.

9. **THIS ACTION IS MADE FINAL.** Applicants are reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a). The practice of automatically extending the shortened statutory period an additional month upon the filing of a timely first response to a final rejection has been discontinued by the Office. See 1021 TMOG 35.

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

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10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Lovering whose telephone number is (703) 308-0443. The examiner can normally be reached on Mon.-Fri. from 7:30 A.M. to 4:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Dawson, can be reached on (703) 308-2340. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0661.

R. Lovering:cdc
August 7, 2003

Richard D. Lovering
RICHARD D. LOVERING
PRIMARY EXAMINER
GROUP ~~150~~ 1700